

California Environmental Protection Agency
Department of Pesticide Regulation

ENVIRONMENTAL JUSTICE PILOT PROJECT
PESTICIDE AIR MONITORING IN PARLIER
SECOND PROGRESS REPORT -ADDENDUM

March 2007

This is an addendum to the second progress report on DPR's Parlier monitoring project. The second progress report included data collected from January 1 through mid-August 2006. This addendum adds results from DPR monitoring done through December 28, 2006; data from the full year of monitoring are summarized in the tables below. The results in this addendum are preliminary and subject to change after full analysis of quality control data. Analysis of this data may result in modifications to information in this progress report. (For more background, see the second progress report, www.cdpr.ca.gov/docs/envjust/pilot_proj/interim/narrative.pdf.)

This addendum does not include additional monitoring data from the Air Resources Board (ARB) or the San Joaquin Valley Air Pollution Control District (SJVAPCD). When that data becomes available in several weeks, DPR will post it on its Web site (www.cdpr.ca.gov). DPR expects to complete a full, evaluative report on all monitoring late in 2007.

In twelve months of monitoring, DPR collected 468 samples that were analyzed for multiple pesticides, and another 468 that were analyzed for the fumigant pesticide MITC. There were few differences between data reported in the second progress report and data for the remainder of the calendar year. Key differences in results from the second progress report were:

- Malathion and the malathion oxygen analog (OA) were both detected at quantifiable concentrations between August and December 2006. Previously, only the malathion OA had been detected, at a trace amount (Table 1). Malathion and malathion OA levels were very low and did not exceed their acute or subchronic screening levels.
- The frequency of detection declined for most pesticides monitored except for malathion, malathion OA, and MITC (Table 2).

Table 1. Highest concentrations detected for each of the pesticides monitored by DPR for the total year. See Figure 1 for distribution of daily concentrations for pesticides with quantifiable concentrations.

Pesticide	Quantitation Limit (ng/m ³)	Highest 1-Day Concentration (ng/m ³)	Acute Screening Level (ng/m ³)
Chlorpyrifos	46.3	150	1,200
Chlorpyrifos oxygen analog	11.6	28	1,200
Diazinon	11.6	172	130
Diazinon oxygen analog	11.6	71	130
Malathion	11.6	21*	40,000
Malathion oxygen analog	11.6	16*	40,000
MITC	23.2	5,010	66,000
Phosmet	23.2	42	77,000
Chlorothalonil	92.6	Trace	34,000
Dichlorvos	46.3	Trace	160,000
Permethrin	46.3	Trace	168,000
Propargite	46.3	Trace	14,000
Simazine	11.6	Trace	110,000
Trifluralin	23.2	Trace	1,200,000
Azinphos-methyl	23.2	Not detected	101,000
Cypermethrin	46.3	Not detected	40,000
Dicofol	46.3	Not detected	11,000
Dimethoate	11.6	Not detected	34,000
Dimethoate oxygen analog	11.6	Not detected	34,000
Diuron	23.2	Not detected	170,000
Endosulfan	46.3	Not detected	4,000
Endosulfan sulfate	46.3	Not detected	4,000
EPTC	11.6	Not detected	230,000
Metolachlor	11.6	Not detected	85,000
Molinate	11.6	Not detected	200,000
Norflurazon	11.6	Not detected	170,000
Oryzalin	11.6	Not detected	420,000
Oxyfluorfen	46.3	Not detected	510,000
Propanil	11.6	Not detected	51,000
SSS-tributylphos... (DEF)	11.6	Not detected	8,800
Thiobencarb	11.6	Not detected	425,000

*Concentration is higher than reported in second progress report.

Table 2. Percent of samples collected by DPR with detectable pesticide concentrations.

Pesticide	Numbers of Samples Collected	Percent of Samples with Detection ^a
MITC	468	84*
Chlorpyrifos	468	64
Diazinon	468	32
Trifluralin	468	24
Chlorpyrifos oxygen analog	468	22
Diazinon oxygen analog	468	19
Phosmet	468	19
Chlorothalonil	468	17
Propargite	468	15
Simazine	468	7
Malathion oxygen analog	468	5*
Dichlorvos	468	1
Permethrin	468	1
Malathion	468	1*
Dicofol	468	0
Diuron	468	0
Norflurazon	468	0
Oryzalin	468	0
Oxyfluorfen	468	0
Azinphos-methyl	468	0
Cypermethrin	468	0
Dimethoate	468	0
Dimethoate oxygen analog	468	0
Endosulfan	468	0
Endosulfan sulfate	468	0
EPTC	468	0
Metolachlor	468	0
Molinate	468	0
Propanil	468	0
SSS-tributylphos... (DEF)	468	0
Thiobencarb	468	0

^a Includes quantified detections and trace detections.

Figure 1. Highest one-day (acute) concentrations detected among the three monitoring locations.

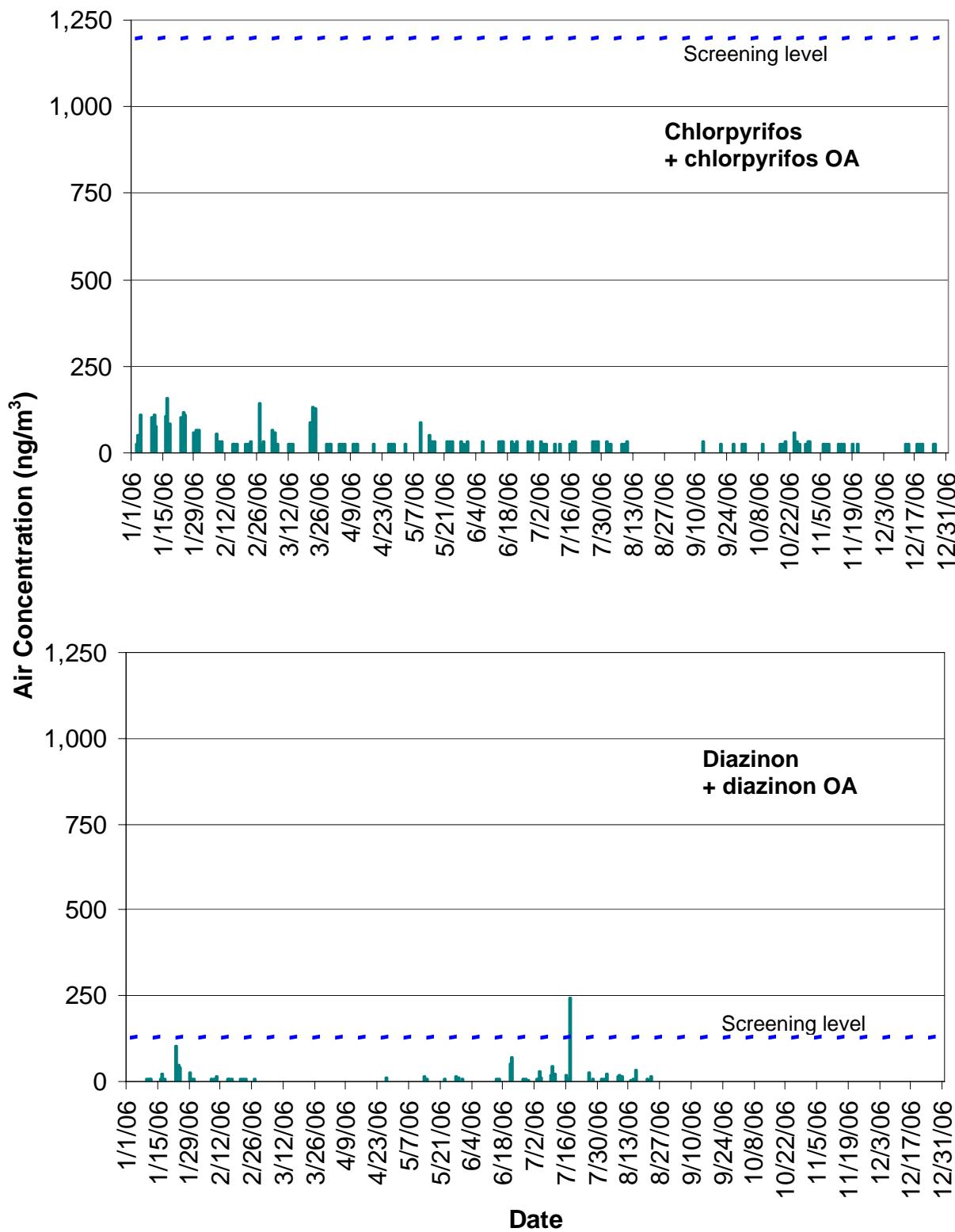


Figure 1. Highest one-day (acute) concentrations detected among the three monitoring locations (continued).

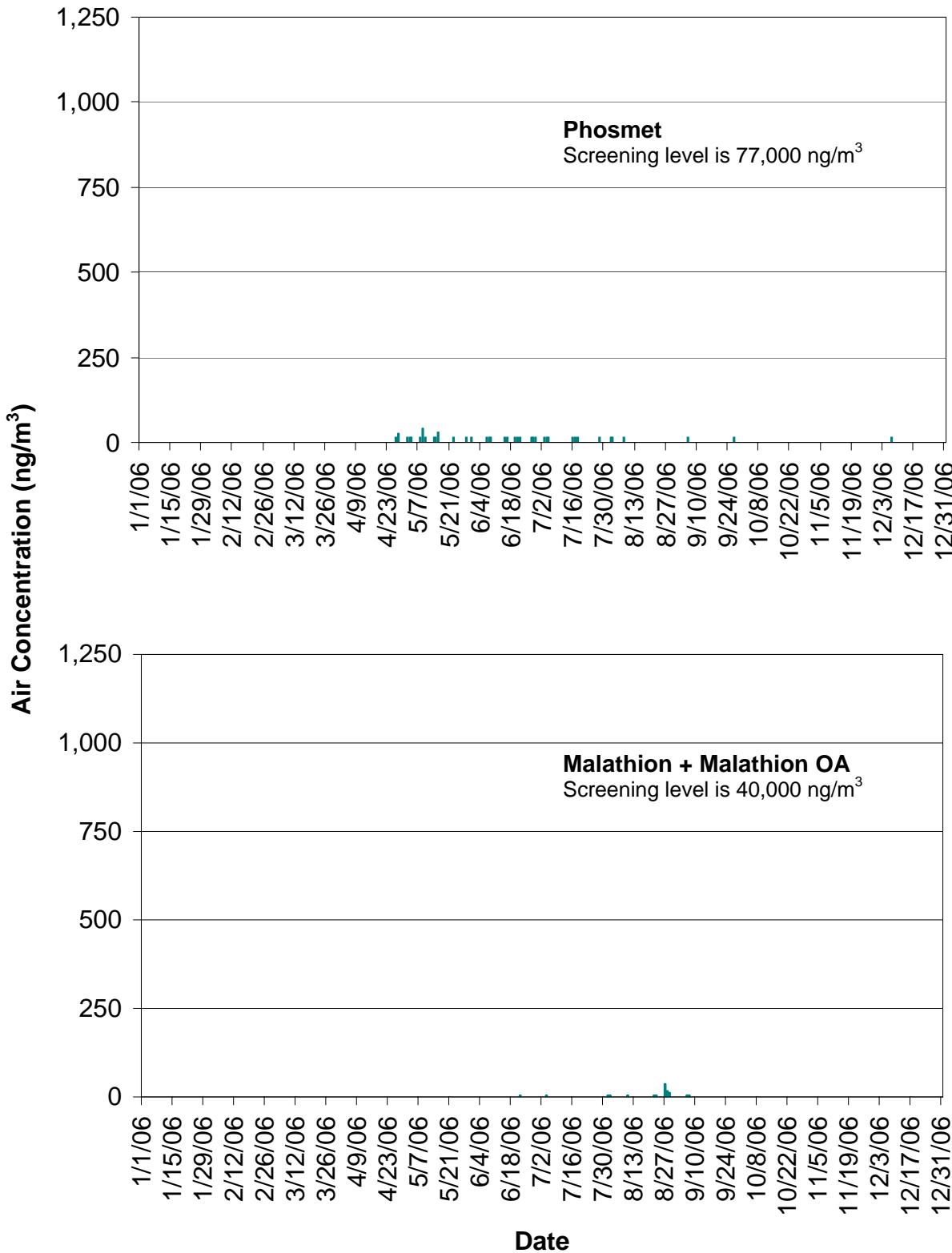


Figure 1. Highest one-day (acute) concentrations detected among the three monitoring locations (continued). Concentration scale for MITC is higher than the rest of graphs.

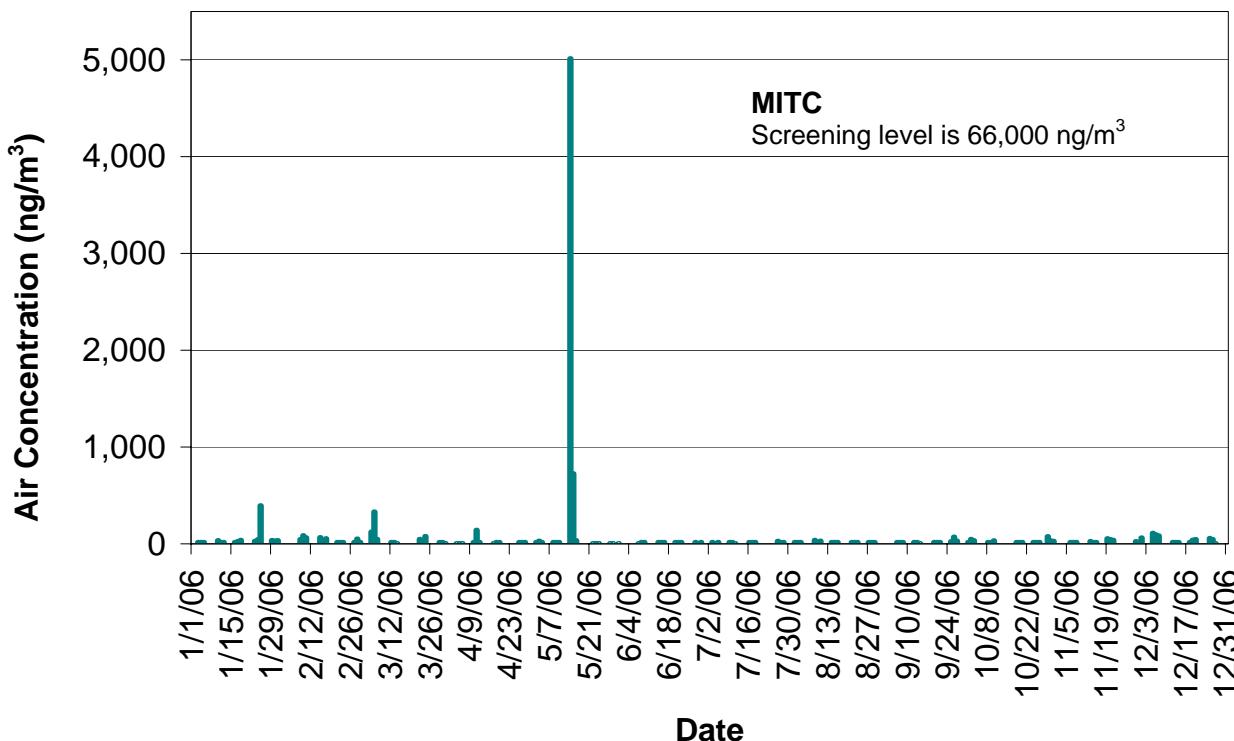


Figure 2. Highest two-week average (subchronic) concentrations detected among the three monitoring locations. Concentrations presented as rolling or moving averages (i.e. average of weeks 1 and 2, average of weeks 2 and 3, etc.).

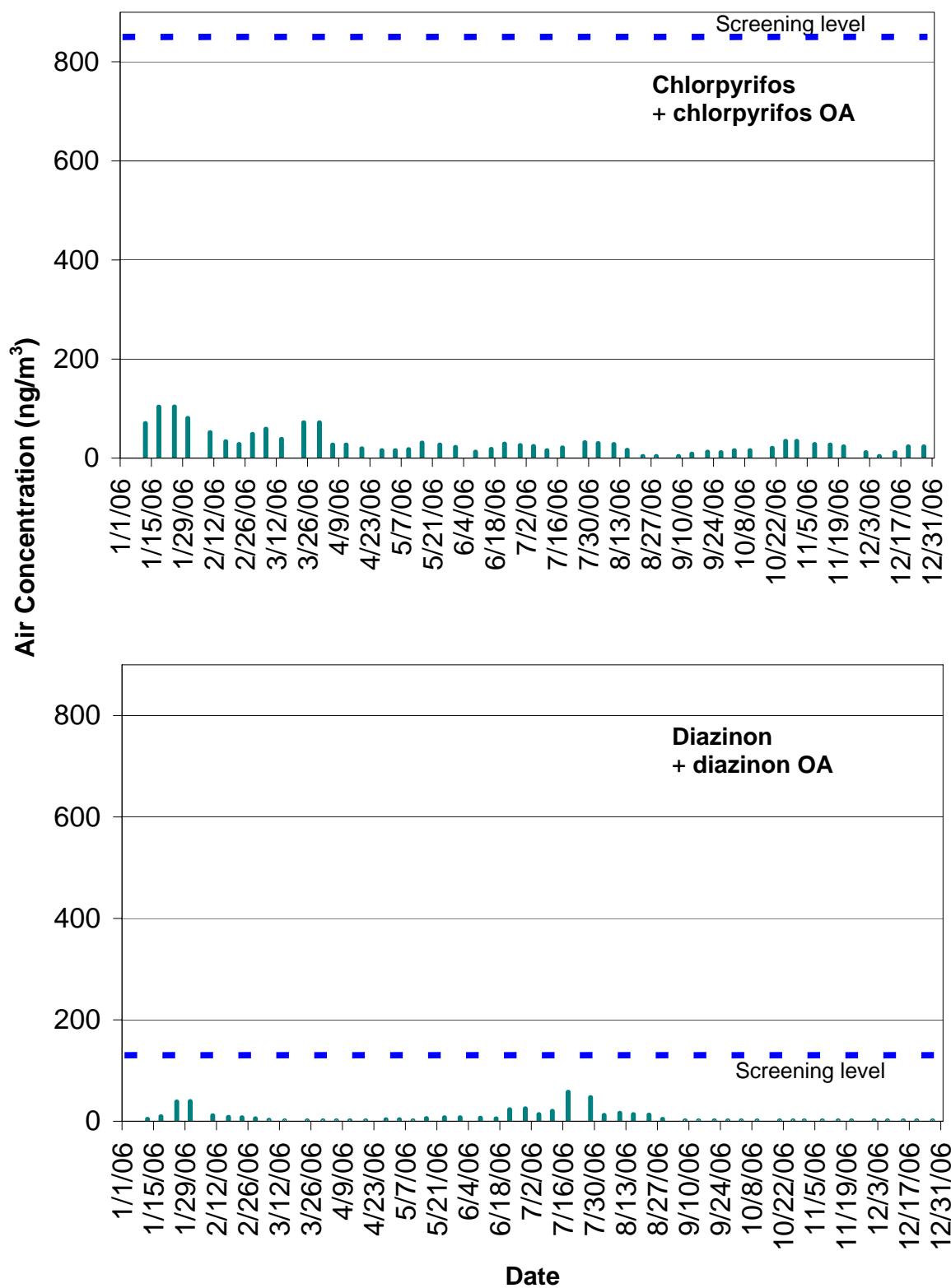


Figure 2. Highest two-week average (subchronic) concentrations detected among the three monitoring locations. Concentrations presented as rolling or moving averages (i.e. average of weeks 1 and 2, average of weeks 2 and 3, etc.). (continued).

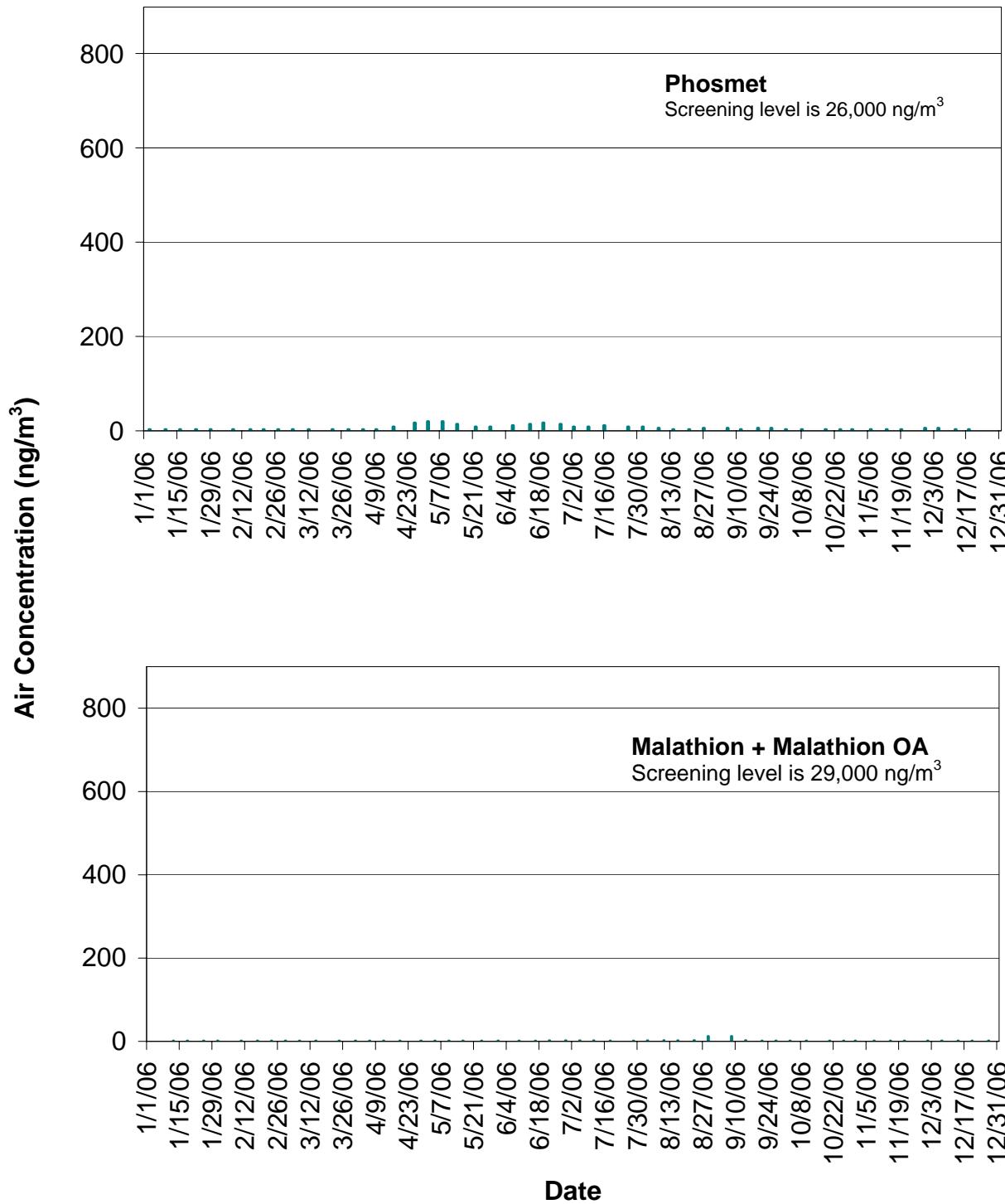


Figure 2. Highest two-week average (subchronic) concentrations detected among the three monitoring locations. Concentrations presented as rolling or moving averages (i.e. average of weeks 1 and 2, average of weeks 2 and 3, etc.). (continued) Concentration scale for MITC is higher than the rest of graphs.

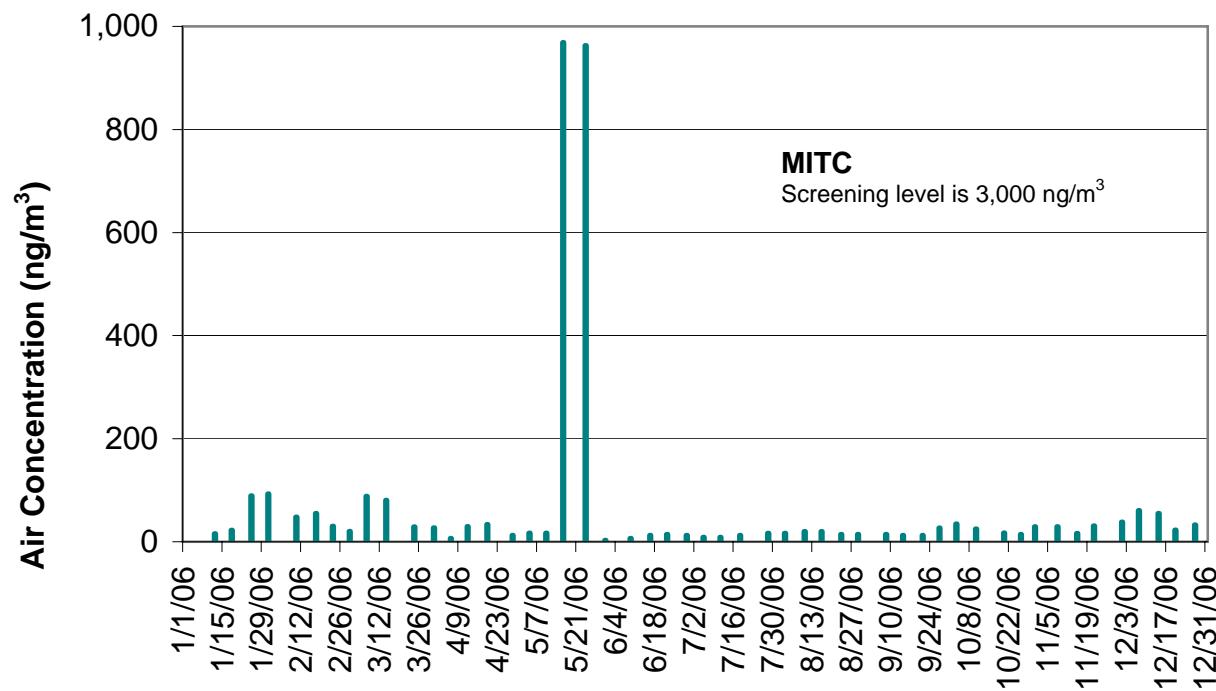
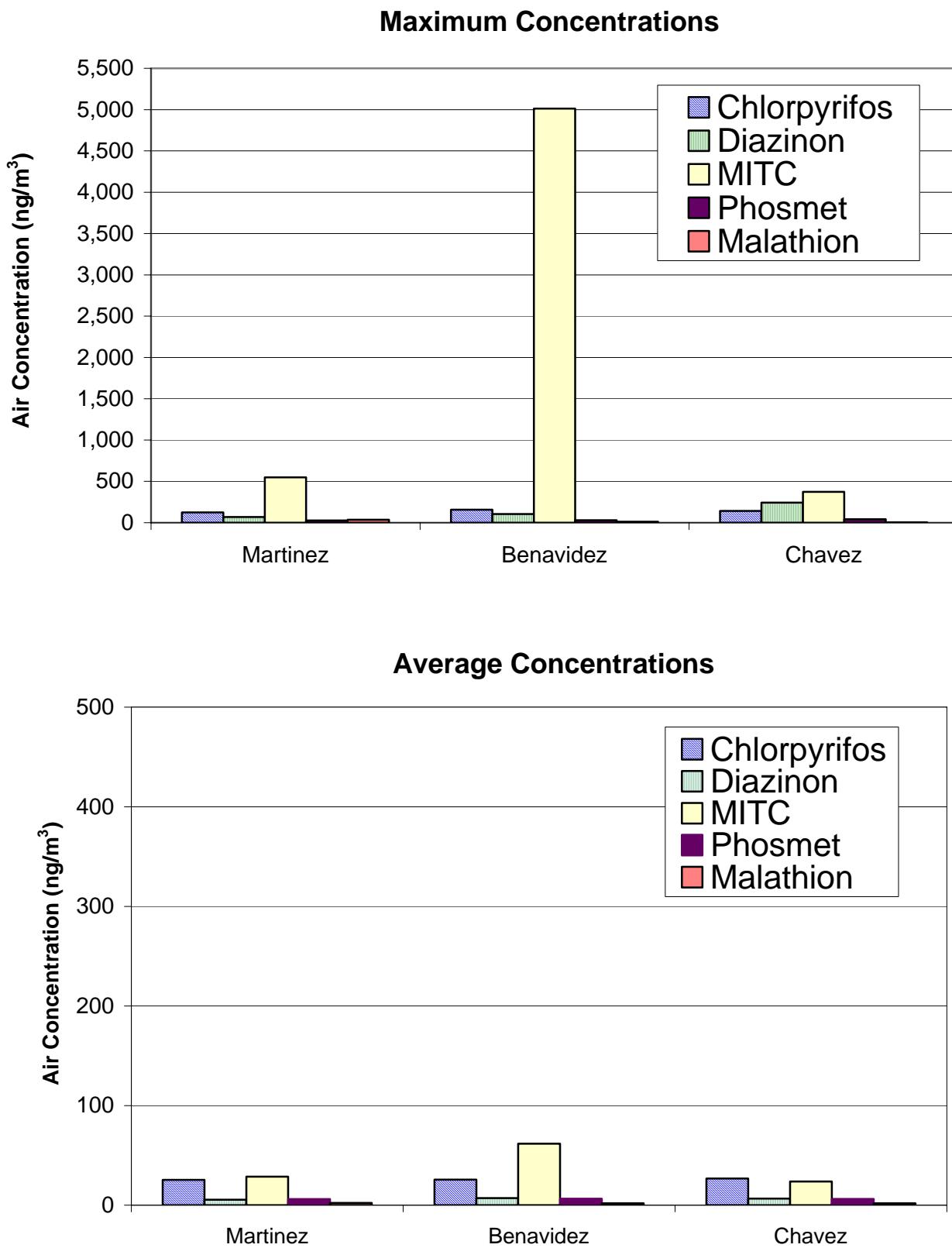


Figure 3. Air concentrations by location.



APPENDIX 1

Results for Each Sample

Pages 12 – 18: Data for DPR MITC samples for August 21 – December 28, 2006

Pages 19 – 26: Data for DPR multiple pesticide samples August 21 – December 28, 2006

Raw Data for DPR MITC Samples

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2361	BEN	1	317	8/21/2006	8:58	8/22/2006	9:00	1534	1563	1548.5	1442	trace	trace
2368	CHA	1	84	8/21/2006	9:27	8/22/2006	9:34	1526	1526	1526	1446	trace	trace
2384	MAR	1	214	8/21/2006	8:30	8/22/2006	8:29	1528	1495	1511.5	1440	trace	trace
2380	BEN	2	317	8/22/2006	9:06	8/23/2006	8:55	1534	1564	1549	1430	trace	trace
2379	CHA	2	82	8/22/2006	9:40	8/23/2006	9:30	1531	1524	1527.5	1430	trace	trace
2356	MAR	2	365	8/22/2006	8:36	8/23/2006	8:26	1515	1523	1519	1432	trace	trace
2373	BEN	3	317	8/23/2006	9:00	8/24/2006	8:59	1493	1500	1496.5	1439	trace	trace
2375	CHA	3	84	8/23/2006	9:34	8/24/2006	9:26	1500	1488	1494	1431	trace	trace
2388	MAR	3	214	8/23/2006	8:32	8/24/2006	8:27	1506	1512	1509	1436	trace	trace
2430	BEN	1	317	8/27/2006	8:30	8/28/2006	8:20	1494	1533	1513.5	1430	trace	trace
2436	CHA	1	82	8/27/2006	8:59	8/28/2006	8:49	1530	1518	1524	1430	nd	nd
2435	MAR	1	214	8/27/2006	8:03	8/28/2006	7:52	1494	1514	1504	1430	trace	trace
2362	BEN	2	217	8/28/2006	8:24	8/29/2006	8:16	1492	1510	1501	1432	trace	trace
2406	CHA	2	84	8/28/2006	8:52	8/29/2006	8:42	1526	1492	1509	1430	trace	trace
2340	MAR	2	365	8/28/2006	7:58	8/29/2006	7:53	1523	1538	1530.5	1435	trace	trace
2423	BEN	3	317	8/29/2006	8:21	8/30/2006	8:50	1491	1517	1504	1466	trace	trace
2383	CHA	3	84	8/29/2006	8:46	8/30/2006	9:05	1511	1510	1510.5	1453	trace	trace
2405	MAR	3	365	8/29/2006	7:58	8/30/2006	8:25	1524	1528	1526	1472	trace	trace
2341	BEN	1	317	9/6/2006	8:14	9/7/2006	8:25	1493	1503	1498	1451	trace	trace
2431	CHA	1	82	9/6/2006	8:37	9/7/2006	8:53	1504	1533	1518.5	1455	trace	trace
2404	MAR	1	365	9/6/2006	7:49	9/7/2006	7:55	1501	1547	1524	1446	trace	trace
2433	BEN	2	190	9/7/2006	8:32	9/8/2006	8:29	1520	1496	1508	1438	trace	trace
2408	CHA	2	82	9/7/2006	8:59	9/8/2006	9:01	1530	1521	1525.5	1442	trace	trace
2395	MAR	2	214	9/7/2006	8:03	9/8/2006	7:53	1520	1491	1505.5	1430	trace	trace
2421	BEN	3	317	9/8/2006	8:38	9/9/2006	8:28	1494	1543	1518.5	1430	trace	trace
2399	CHA	3	82	9/8/2006	9:05	9/9/2006	9:03	1498	1468	1483	1439	trace	trace

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2414	MAR	3	214	9/8/2006	8:04	9/9/2006	7:53	1502	1506	1504	1430	trace	trace
2393	BEN	1	317	9/12/2006	8:10	9/13/2006	8:01	1536	1556	1546	1431	trace	trace
2428	CHA	1	82	9/12/2006	8:36	9/13/2006	8:30	1492	1494	1493	1433	trace	trace
2401	MAR	1	365	9/12/2006	7:49	9/13/2006	7:39	1525	1517	1521	1430	trace	trace
2398	BEN	2	75	9/13/2006	8:07	9/14/2006	8:05	1525	1536	1530.5	1438	trace	trace
2394	CHA	2	84	9/13/2006	8:35	9/14/2006	8:33	1516	1514	1515	1438	trace	trace
2392	MAR	2	214	9/13/2006	7:42	9/14/2006	7:40	1529	1535	1532	1438	trace	trace
2420	BEN	3	75	9/14/2006	8:09	9/15/2006	8:03	1543	1541	1542	1435	nd	nd
2425	CHA	3	82	9/14/2006	8:42	9/15/2006	8:33	1493	1511	1502	1430	nd	nd
2400	MAR	3	214	9/14/2006	7:44	9/15/2006	7:41	1509	1522	1515.5	1437	nd	nd
2459	BEN	1	75	9/19/2006	8:59	9/20/2006	8:59	1519	1534	1526.5	1440	trace	trace
2445	CHA	1	82	9/19/2006	8:32	9/20/2006	8:21	1516	1529	1522.5	1438	nd	nd
2442	MAR	1	214	9/19/2006	7:41	9/20/2006	7:35	1522	1537	1529.5	1435	nd	nd
2437	BEN	2	317	9/20/2006	8:03	9/21/2006	8:09	1538	1557	1547.5	1446	trace	trace
2441	CHA	2	82	9/20/2006	8:25	9/21/2006	8:31	1524	1566	1545	1446	nd	nd
2448	MAR	2	365	9/20/2006	7:39	9/21/2006	7:43	1545	1534	1539.5	1444	nd	nd
2450	BEN	3	75	9/21/2006	8:14	9/22/2006	8:03	1526	1529	1527.5	1430	trace	trace
2456	CHA	3	84	9/21/2006	8:36	9/22/2006	8:26	1535	1517	1526	1430	trace	trace
2469	MAR	3	365	9/21/2006	7:50	9/22/2006	7:40	1511	1543	1527	1430	trace	trace
2476	BEN	1	317	9/25/2006	8:02	9/26/2006	8:05	1523	1542	1532.5	1444	0.053	23.81
2461	CHA	1	82	9/25/2006	8:19	9/26/2006	8:29	1518	1539	1528.5	1450	0.050	22.56
2468	MAR	1	214	9/25/2006	7:41	9/26/2006	7:25	1515	1513	1514	1436	trace	trace
2457	BEN	2	75	9/26/2006	8:09	9/27/2006	8:00	1496	1487	1491.5	1430	0.149	69.86
2471	CHA	2	84	9/26/2006	8:32	9/27/2006	8:37	1502	1528	1515	1444	0.147	67.20
2458	MAR	2	214	9/26/2006	7:44	9/17/2006	7:34	1502	1516	1509	1430	0.147	68.12
2453	BEN	3	75	9/27/2006	8:10	9/28/2006	8:00	1527	1569	1548	1430	0.054	24.17
2481	CHA	3	84	9/27/2006	8:42	9/28/2006	8:32	1530	1555	1542.5	1430	0.061	27.79

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2472	MAR	3	214	9/27/2006	7:39	9/28/2006	7:38	1497	1529	1513	1440	0.062	28.55
2478	BEN	1	317	10/1/2006	8:01	10/2/2006		1503	1561	1532	1460	trace	trace
2475	CHA	1	82	10/1/2006	8:24	10/2/2006	8:41	1512	1535	1523.5	1457	trace	trace
2464	MAR	1	365	10/1/2006	7:31	10/2/2006	7:52	1526	1557	1541.5	1462	trace	trace
2482	BEN	2	75	10/2/2006	8:24	10/3/2006	8:13	1516	1538	1527	1430	0.086	39.16
2463	CHA	2	82	10/2/2006	8:45	10/3/2006	8:35	1507	1504	1505.5	1430	0.099	45.85
2462	MAR	2	365	10/2/2006	7:56	10/3/2006	7:48	1505	1513	1509	1433	0.095	43.98
2506	BEN	3	75	10/3/2006	8:16	10/4/2006	8:06	1501	1491	1496	1430	0.057	26.50
2528	CHA	3	82	10/3/2006	8:37	10/4/2006	8:27	1524	1540	1532	1430	0.065	29.62
2485	MAR	3	214	10/3/2006	7:51	10/4/2006	7:41	1523	1537	1530	1430	0.071	32.45
2517	BEN	1	75	10/8/2006	8:07	10/9/2006	8:09	1526	1523	1524.5	1443	trace	trace
2534	CHA	1	82	10/8/2006	8:39	10/9/2006	8:30	1500	1509	1504.5	1430	trace	trace
2520	MAR	1	365	10/8/2006	7:45	10/9/2006	7:46	1505	1513	1509	1442	trace	trace
2525	BEN	2	317	10/9/2006	8:14	10/10/2006	8:04	1499	1524	1511.5	1430	trace	trace
2496	CHA	2	82	10/9/2006	8:34	10/10/2006	8:24	1507	1511	1509	1430	trace	trace
2499	MAR	2	365	10/9/2006	7:51	10/10/2006	7:42	1509	1497	1503	1432	trace	trace
2522	BEN	3	317	10/10/2006	8:06	10/11/2006	7:56	1507	1506	1506.5	1430	0.062	28.64
2529	CHA	3	84	10/10/2006	8:26	10/11/2006	8:18	1515	1520	1517.5	1431	0.067	30.99
2537	MAR	3	365	10/10/2006	7:46	10/11/2006	7:36	1497	1513	1505	1430	0.057	26.39
2510	BEN	1	75	10/18/2006	8:09	10/19/2006	8:11	1525	1524	1524.5	1442	trace	trace
2492	CHA	1	52	10/18/2006	8:35	10/19/2006	8:37	1496	1504	1500	1442	trace	trace
2539	MAR	1	214	10/18/2006	7:39	10/19/2006	7:43	1502	1565	1533.5	1445	trace	trace
2516	BEN	2	75	10/19/2006	8:17	10/20/2006	8:06	1510	1513	1511.5	1430	trace	trace
2535	CHA	2	84	10/19/2006	8:42	10/20/2006	8:33	1523	1575	1549	1430	trace	trace
2527	MAR	2	365	10/19/2006	7:48	10/20/2006	7:38	1525	1537	1531	1430	trace	trace
2524	BEN	3	75	10/20/2006	8:09	10/21/2006	7:58	1526	1511	1518.5	1430	trace	trace
2512	CHA	3	82	10/20/2006	8:34	10/21/2006	8:34	1530	1529	1529.5	1430	trace	trace

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2526	MAR	3	365	10/20/2006	7:39	10/21/2006	7:39	1535	1519	1527	1440	trace	trace
2538	BEN	1	75	10/24/2006	7:57	10/28/2006	8:05	1527	1517	1522	1448	trace	trace
2532	CHA	1	82	10/24/2006	8:15	10/25/2006	8:27	1517	1510	1513.5	1452	trace	trace
2495	MAR	1	365	10/24/2006	7:35	10/25/2006	7:38	1538	1539	1538.5	1443	trace	trace
2633	BEN	2	75	10/25/2006	8:09	10/26/2006	8:17	1499	1511	1505	1449	trace	trace
2637	CHA	2	82	10/25/2006	8:33	10/26/2006	8:43	1506	1536	1521	1450	trace	trace
2631	MAR	2	367	10/25/2006	7:43	10/26/2006	7:50	1512	1524	1518	1439	trace	trace
2505	BEN	3	317	10/26/2006	8:23	10/27/2006	8:13	1534	1555	1544.5	1430	trace	trace
2635	CHA	3	82	10/26/2006	8:48	10/27/2006	8:38	1538	1530	1534	1430	trace	trace
2639	MAR	3	214	10/26/2006	7:56	10/27/2006	7:46	1525	1526	1525.5	1430	trace	trace
2619	BEN	1	75	10/29/2006	8:03	10/30/2006	7:55	1523	1495	1509	1432	0.154	71.27
2622	CHA	1	84	10/29/2006	8:28	10/30/2006	8:18	1506	1528	1517	1430	0.160	73.76
2638	MAR	1	367	10/29/2006	7:39	10/30/2006	7:34	1525	1526	1525.5	1435	0.155	70.81
2615	BEN	2	317	10/30/2006	8:01	10/31/2006	7:59	1508	1579	1543.5	1438	0.064	28.92
2634	CHA	2	82	10/30/2006	8:21	10/31/2006	8:18	1501	1508	1504.5	1437	0.067	31.13
2620	MAR	2	367	10/30/2006	7:38	10/31/2006	7:36	1493	1530	1511.5	1438	0.063	29.17
2624	BEN	3	317	10/31/2006	8:01	11/1/2006	8:04	1519	1500	1509.5	1443	0.051	23.60
2610	CHA	3	82	10/31/2006	8:21	11/1/2006	8:22	1508	1513	1510.5	1441	0.058	26.42
2606	MAR	3	214	10/31/2006	7:39	11/1/2006	7:45	1509	1516	1512.5	1446	0.054	24.69
2596	BEN	1	317	11/6/2006	8:08	11/7/2006	7:58	1499	1511	1505	1430	trace	trace
2605	CHA	1	82	11/6/2006	8:33	11/7/2006	8:23	1532	1553	1542.5	1430	trace	trace
2611	MAR	1	214	11/6/2006	7:45	11/7/2006	7:35	1496	1536	1516	1430	trace	trace
2609	BEN	2	317	11/7/2006	8:00	11/8/2006	8:00	1491	1525	1508	1440	trace	trace
2628	CHA	2	82	11/7/2006	8:27	11/8/2006	8:24	1517	1511	1514	1437	trace	trace
2591	MAR	2	367	11/7/2006	7:37	11/8/2006	7:37	1534	1550	1542	1440	trace	trace
2603	BEN	3	76	11/8/2006	8:04	11/9/2006	8:09	1514	1505	1509.5	1446	trace	trace
2592	CHA	3	82	11/8/2006	8:27	11/9/2006	8:39	1519	1469	1494	1452	trace	trace

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2602	MAR	3	214	11/8/2006	7:42	11/9/2006	7:38	1536	1545	1540.5	1438	trace	trace
2608	BEN	1	317	11/13/2006	8:04	11/14/2006	7:59	1511	1544	1527.5	1435	0.055	25.09
2583	CHA	1	82	11/13/2006	8:28	11/14/2006	8:20	1514	1500	1507	1432	0.052	24.00
2558	MAR	1	367	11/13/2006	7:43	11/14/2006	7:37	1511	1551	1531	1434	0.054	24.78
2574	BEN	2	75	11/14/2006	8:01	11/15/2006	7:54	1525	1460	1492.5	1433	trace	trace
2585	CHA	2	82	11/14/2006	8:24	11/15/2006	8:22	1530	1500	1515	1438	trace	trace
2575	MAR	2	367	11/14/2006	7:42	11/15/2006	7:32	1503	1494	1498.5	1430	trace	trace
2555	BEN	3	75	11/15/2006	7:58	11/16/2006	8:01	1531	1542	1536.5	1443	trace	trace
2564	CHA	3	82	11/15/2006	8:26	11/16/2006	8:18	1497	1519	1508	1432	trace	trace
2588	MAR	3	214	11/15/2006	7:36	11/16/2006	7:42	1523	1568	1545.5	1447	trace	trace
2570	BEN	1	75	11/19/2006	8:04	11/20/2006	8:07	1501	1449	1475	1443	0.106	49.80
2566	CHA	1	82	11/19/2006	8:33	11/20/2006	8:26	1511	1503	1507	1433	0.116	53.72
2562	MAR	1	367	11/19/2006	7:39	11/12/2006	7:42	1535	1581	1558	1443	0.096	42.48
2569	BEN	2	317	11/20/2006	8:12	11/21/2006	8:04	1513	1545	1529	1432	0.099	45.22
2546	CHA	2	84	11/20/2006	8:30	11/21/2006	8:27	1499	1490	1494.5	1437	0.090	41.91
2587	MAR	2	214	11/20/2006	7:46	11/21/2006	7:43	1534	1535	1534.5	1437	0.094	42.58
2553	BEN	3	75	11/21/2006	8:08	11/22/2006	7:57	1536	1528	1532	1430	0.078	35.56
2545	CHA	3	71	11/21/2006	8:29	11/22/2006	8:09	1519	1500	1509.5	1420	0.076	35.36
2557	MAR	3	367	11/21/2006	7:45	11/22/2006	7:43	1528	1503	1515.5	1438	0.080	36.57
2576	BEN	1	317	11/29/2006	8:09	11/30/2006	8:11	1507	1468	1487.5	1443	trace	trace
2549	CHA	1	82	11/29/2006	8:31	11/30/2006	8:33	1523	1506	1514.5	1442	0.051	23.31
2577	MAR	1	214	11/29/2006	7:49	11/30/2006	7:46	1520	1509	1514.5	1438	trace	trace
2560	BEN	2	75	11/30/2006	8:16	12/1/2006	9:59	1536	1565	1550.5	1544	trace	trace
2578	CHA	2	82	11/30/2006	8:37	12/1/2006	10:23	1492	1515	1503.5	1545	trace	trace
2561	MAR	2	214	11/30/2006	7:51	12/1/2006	7:42	1517	1523	1520	1431	trace	trace
2776	BEN	3	76	12/1/2006	10:03	12/2/2006	9:54	1539	1554	1546.5	1432	0.119	53.73
2823	CHA	3	71	12/1/2006	10:27	12/2/2006	10:17	1523	1556	1539.5	1430	0.134	60.87

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2571	MAR	3	214	12/1/2006	7:47	12/2/2006	9:40	1501	1587	1544	1554	0.118	49.18
2815	BEN	1	317	12/5/2006	8:05	12/6/2006	8:08	1520	1482	1501	1443	0.233	107.57
2782	CHA	1	71	12/5/2006	8:27	12/6/2006	8:31	1521	1451	1486	1443	0.215	100.27
2801	MAR	1	214	12/5/2006	7:45	12/6/2006	7:42	1536	1539	1537.5	1437	0.242	109.53
2795	BEN	2	75	12/6/2006	8:12	12/7/2006	8:04	1498	1514	1506	1432	0.185	85.78
2542	CHA	2	82	12/6/2006	8:34	12/7/2006	8:24	1494	1538	1516	1430	0.181	83.49
2783	MAR	2	214	12/6/2006	7:46	12/7/2006	7:43	1509	1490	1499.5	1438	0.204	94.61
2794	BEN	3	75	12/7/2006	8:07	12/8/2006	7:59	1538	1522	1530	1433	0.173	78.91
2806	CHA	3	71	12/7/2006	8:27	12/8/2006	8:18	1536	1578	1557	1431	0.177	79.44
2793	MAR	3	367	12/7/2006	7:46	12/8/2006	7:45	1498	1520	1509	1439	0.178	81.97
2810	BEN	1	317	12/12/2006	8:02	12/13/2006	8:12	1526	1518	1522	1448	trace	trace
2822	CHA	1	71	12/12/2006	8:21	12/13/2006	8:37	1506	1478	1492	1456	trace	trace
2775	MAR	1	214	12/12/2006	7:40	12/13/2006	7:42	1495	1496	1495.5	1443	trace	trace
2790	BEN	2	139	12/13/2006	8:19	12/14/2006	8:20	1513	1528	1520.5	1442	trace	trace
2770	CHA	2	71	12/13/2006	8:41	12/14/2006	8:44	1522	1546	1534	1442	trace	trace
2792	MAR	2	367	12/13/2006	7:42	12/14/2006	7:52	1510	1551	1530.5	1444	trace	trace
2805	BEN	3	75	12/14/2006	8:26	12/15/2006	8:29	1519	1555	1537	1443	trace	trace
2819	CHA	3	82	12/14/2006	8:52	12/15/2006	8:42	1536	1531	1533.5	1430	trace	trace
2777	MAR	3	214	12/14/2006	8:00	12/15/2006	7:50	1530	1579	1554.5	1430	trace	trace
2820	BEN	1	317	12/18/2006	7:56	12/19/2006	8:18	1521	1485	1503	1463	trace	trace
2812	CHA	1	82	12/18/2006	8:18	12/19/2006	8:42	1520	1515	1517.5	1464	trace	trace
2796	MAR	1	214	12/18/2006	7:33	12/19/2006	7:55	1516	1517	1516.5	1462	trace	trace
2738	BEN	2	139	12/19/2006	8:23	12/20/2006	8:18	1517	1523	1520	1435	0.075	34.34
2734	CHA	2	71	12/19/2006	8:45	12/20/2006	8:46	1502	1500	1501	1440	0.074	34.24
2766	MAR	2	267	12/19/2006	7:58	12/20/2006	7:50	1501	1525	1513	1432	0.083	38.12
2733	BEN	3	139	12/20/2006	8:27	12/21/2006	8:16	1501	1535	1518	1430	0.094	43.49
2746	CHA	3	82	12/20/2006	8:51	12/21/2006	8:41	1501	1674	1587.5	1430	0.101	44.49

Sample Number	Location Code	Interval #	Machine Number	Date Start	Time Start	Date End	Time End	Flow On (ml/min)	Flow Off (ml/min)	Flow Avg	Run Time	Concentration ug/sample total	(ng/m ³)
2757	MAR	3	214	12/20/2006	7:55	12/21/2006	7:47	1489	1527	1508	1432	0.085	39.22
2736	BEN	1	317	12/25/2006	8:08	12/26/2006	7:58	1502	1511	1506.5	1430	0.119	55.24
2826	CHA	1	71	12/25/2006	8:29	12/26/2006	8:19	1535	1507	1521	1430	0.115	52.87
2717	MAR	1	214	12/25/2006	7:44	12/26/2006	7:39	1499	1538	1518.5	1435	0.121	55.53
2765	BEN	2	75	12/26/2006	8:00	12/27/2006	8:06	1511	1538	1524.5	1447	0.098	44.24
2726	CHA	2	71	12/26/2006	8:22	12/27/2006	8:29	1530	1514	1522	1447	0.088	40.05
2764	MAR	2	214	12/26/2006	7:42	12/27/2006	7:40	1505	1471	1488	1439	0.097	45.35
2718	BEN	3	139	12/27/2006	8:10	12/28/2006	8:05	1536	1535	1535.5	1435	nd	nd
2761	CHA	3	82	12/27/2006	8:32	12/28/2006	8:24	1508	1495	1501.5	1431	nd	nd
2697	MAR	3	365	12/27/2006	7:46	12/28/2006	7:46	1506	1515	1510.5	1440	nd	nd

Raw Data for DPR Multiple Pesticide Samples. Only pesticides with at least one detection during the study are shown. Concentrations in ng/m³

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon	
1235	BEN	1	8/21/06	8/22/06	8:58	9:00	15.5	14.59	15.05	1442	A8	5	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1214	CHA	1	8/21/06	8/22/06	9:27	9:34	15.41	13.89	14.65	1446	A1	5	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	trace	
1213	MAR	1	8/21/06	8/22/06	8:30	8:29	15.47	14.47	14.97	1440	A11	5	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	trace
1220	BEN	2	8/22/06	8/23/06	9:11	8:55	15.23	16.78	16.01	1425	A6	5	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1248	CHA	2	8/22/06	8/23/06	9:40	9:30	15.39	15.2	15.30	1430	A14	5	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1227	MAR	2	8/22/06	8/23/06	8:36	8:27	15.36	15.14	15.25	1432	A11	5	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1229	BEN	3	8/23/06	8/24/06	9:00	8:59	15.18	15.15	15.17	1439	A8	5	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND
1250	CHA	3	8/23/06	8/24/06	9:34	9:24	15.02	14.98	15.00	1431	A1	5	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND
1240	MAR	3	8/23/06	8/24/06	8:32	8:27	15.3	15.07	15.19	1436	A13	5	ND	ND	ND	ND	trace	ND	trace	ND	trace	ND	ND	ND	trace
1246	BEN	1	8/27/06	8/28/06	8:30	8:20	15.66	14.6	15.13	1430	A8	5	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	trace	ND	ND
1216	CHA	1	8/27/06	8/28/06	8:59	8:49	15.48	14.08	14.78	1430	A1	5	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1219	MAR	1	8/27/06	8/28/06	8:03	7:52	15.49	14.39	14.94	1430	A11	5	ND	ND	ND	ND	trace	ND	0.34	ND	ND	ND	0.44	ND	ND
1253	BEN	2	8/28/06	8/29/06	8:24	8:16	15.18	14.81	15.00	1432	A7	6	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1301	CHA	2	8/28/06	8/29/06	8:52	8:42	15.28	15.33	15.31	1430	A14	6	ND	ND	ND	ND	trace	ND	trace	ND	ND	ND	ND	ND	ND
1282	MAR	2	8/28/06	8/29/06	7:58	7:53	14.99	14.72	14.86	1435	A11	6	ND	ND	ND	ND	trace	ND	0.2	ND	ND	ND	trace	ND	ND
1254	BEN	3	8/29/06	8/30/06	8:21	8:50	15.11	15.11	15.11	1466	A8	6	ND	ND	ND	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND
1261	CHA	3	8/29/06	8/28/06	8:46	9:05	15.31	15.07	15.19	1453	A14	6	ND	ND	ND	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND
1265	MAR	3	8/29/06	8/30/06	7:58	8:25	15.25	14.97	15.11	1472	A13	6	ND	ND	ND	ND	trace	ND	0.1	ND	ND	ND	trace	ND	ND
1306	BEN	1	9/6/06	9/7/06	8:14	8:25	15.44	14.67	15.06	1451	A8	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1269	CHA	1	9/6/06	9/7/06	8:37	8:35	15.48	14.13	14.81	1455	A14	6	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND
1264	MAR	1	9/6/06	9/7/06	7:49	7:55	15.49	14.89	15.19	1446	A11	6	ND	ND	ND	ND	trace	ND	trace	ND	ND	trace	ND	ND	ND
1311	BEN	2	9/7/06	9/8/06	8:32	8:29	15.03	14.99	15.01	1438	A8	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1275	CHA	2	9/7/06	9/8/06	8:59	9:01	15.17	14.82	15.00	1442	A14	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1258	MAR	2	9/7/06	9/8/06	8:03	7:53	15	14.92	14.96	1430	A11	6	ND	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND
1268	BEN	3	9/8/06	9/9/06	8:38	8:28	15.31	15.38	15.35	1430	A8	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1310	CHA	3	9/8/06	9/9/06	9:05	9:03	15.05	13.16	14.11	1439	A14	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1273	MAR	3	9/8/06	9/9/06	8:08	7:53	15.19	14.98	15.09	1430	A11	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1286	BEN	1	9/12/06	9/13/06	8:10	8:01	15.44	14.62	15.03	1431	A8	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1283	CHA	1	9/12/06	9/13/06	8:36	8:30	15.46	15.75	15.61	1433	A14	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1307	MAR	1	9/12/06	9/13/06	7:49	7:39	15.47	14.32	14.90	1430	A11	6	ND	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND
1277	BEN	2	9/13/06	9/14/06	8:07	8:05	15.16	14.96	15.06	1438	A8	6	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1303	CHA	2	9/13/06	9/14/06	8:35	8:33	15.36	12.44	13.90	1438	A1	6	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1280	MAR	2	9/13/06	9/14/06	7:42	7:40	15.34	15.34	15.34	1438	A13	6	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1284	BEN	3	9/14/06	9/15/06	8:09	8:03	15.22	14.04	14.63	1435	A7	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1281	CHA	3	9/14/06	9/15/06	8:42	8:33	15.17	15.52	15.35	1430	A1	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1272	MAR	3	9/14/06	9/15/06	7:44	7:41	15.2	15.11	15.16	1437	A13	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1327	BEN	1	9/19/06	9/20/06	7:59	7:59	15.49	14.68	15.09	1440	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1288	CHA	1	9/19/06	9/20/06	8:23	8:21	15.49	13.91	14.70	1438	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1295	MAR	1	9/19/06	9/20/06	7:41	7:35	15.47	14.99	15.23	1435	A13	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1293	BEN	2	9/20/06	9/21/06	8:03	8:09	15.15	14.92	15.04	1446	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1297	CHA	2	9/20/06	9/21/06	8:25	8:31	15.18	14.98	15.08	1446	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1324	MAR	2	9/20/06	9/21/06	7:39	7:43	15.34	15.3	15.32	1444	A11	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1341	BEN	3	9/21/06	9/22/06	8:14	8:04	15.2	15.49	15.35	1430	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1298	CHA	3	9/21/06	9/22/06	8:36	8:26	15.19	15.18	15.19	1430	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1312	MAR	3	9/21/06	9/22/06	7:50	7:40	15.11	15.01	15.06	1430	A11	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1343	BEN	1	9/25/06	9/26/06	8:02	8:05	15.58	13.84	14.71	1444	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1340	CHA	1	9/25/06	9/26/06	8:19	8:29	15.49	13.67	14.58	1450	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1314	MAR	1	9/25/06	9/26/06	7:41	7:35	15.48	13.87	14.68	1436	A13	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1334	BEN	2	9/26/06	9/27/06	8:09	8:00	15.23	15.31	15.27	1430	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1322	CHA	2	9/26/06	9/27/06	8:32	8:37	15.01	14.89	14.95	1444	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1330	MAR	2	9/26/06	9/27/06	7:44	7:34	15.04	13.89	14.47	1430	A11	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1319	BEN	3	9/27/06	9/28/06	8:10	8:00	15.22	15.18	15.20	1430	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	trace	ND	trace	
1321	CHA	3	9/27/06	9/28/06	8:42	8:32	15.08	14.99	15.04	1430	A4	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	
1328	MAR	3	9/27/06	9/28/06	7:39	7:38	15.08	14.86	14.97	1440	A13	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1333	BEN	1	10/1/06	10/2/06	8:01	8:19	15.5	15.59	15.55	1459	A5	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1329	CHA	1	10/1/06	10/2/06	8:24	8:41	15.45	13.71	14.58	1457	A4	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1338	MAR	1	10/1/06	10/2/06	7:31	7:52	15.52	14.22	14.87	1462	A13	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1347	BEN	2	10/2/06	10/3/06	8:24	8:13	15.1	15.02	15.06	1430	A8	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1381	CHA	2	10/2/06	10/3/06	8:45	8:35	15.09	14.92	15.01	1430	A4	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1349	MAR	2	10/2/06	10/3/06	7:56	7:48	15.13	14.97	15.05	1433	A13	7	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1379	BEN	3	10/3/06	10/4/06	8:16	8:06	15.07	15.53	15.30	1430	A6	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1375	CHA	3	10/3/06	10/4/06	8:37	8:27	15.05	15.17	15.11	1430	A4	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1351	MAR	3	10/3/06	10/4/06	7:51	7:41	15.1	15.06	15.08	1430	A13	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1354	BEN	1	10/8/06	10/9/06	8:07	8:09	15.5	14.24	14.87	1443	A6	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1382	CHA	1	10/8/06	10/9/06	8:39	8:30	15.49	13.58	14.54	1430	A4	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1366	MAR	1	10/8/06	10/9/06	7:45	7:46	15.52	13.78	14.65	1442	A13	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1387	BEN	2	10/9/06	10/10/06	8:14	8:04	15	15.22	15.11	1430	A8	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1376	CHA	2	10/9/06	10/10/06	8:34	8:24	15.14	15.13	15.14	1430	A4	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1358	MAR	2	10/9/06	10/10/06	7:51	7:42	14.99	15.02	15.01	1432	A13	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1393	BEN	3	10/10/06	10/11/06	8:06	7:56	15.29	15.4	15.35	1430	A8	8	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	
1404	CHA	3	10/10/06	10/11/06	8:26	8:18	14.96	14.9	14.93	1431	A1	8	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1360	MAR	3	10/10/06	10/11/06	7:46	7:36	15.21	15.08	15.15	1430	A13	8	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1362	BEN	1	10/18/06	10/19/06	8:09	8:11	15.47	15.78	15.63	1442	A6	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1368	CHA	1	10/18/06	10/19/06	8:35	8:37	15.53	13.6	14.57	1442	A4	8	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1377	MAR	1	10/18/06	10/19/06	7:39	7:43	15.43	14.38	14.91	1445	A13	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1396	BEN	2	10/19/06	10/20/06	8:17	8:06	15.31	15.32	15.32	1429	A8	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1392	CHA	2	10/19/06	10/20/06	8:42	8:33	15.23	15.42	15.33	1430	A4	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1390	MAR	2	10/19/06	10/20/06	7:48	7:38	15.24	15.34	15.29	1430	A3	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1389	BEN	3	10/20/06	10/21/06	8:09	7:58	15.34	15.16	15.25	1430	A6	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1380	CHA	3	10/20/06	10/21/06	8:34	8:24	15.3	15.45	15.38	1430	A4	8	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1374	MAR	3	10/20/06	10/21/06	7:39	7:39	15.27	15.3	15.29	1440	A3	8	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1383	BEN	1	10/24/06	10/25/06	7:57	8:05	15.6	15.86	15.73	1448	A6	8	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1408	CHA	1	10/24/06	10/25/06	8:15	8:27	15.48	13.64	14.56	1452	A4	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1352	MAR	1	10/24/06	10/25/06	7:35	7:38	15.54	15.1	15.32	1443	A13	8	ND	ND	1.17	ND	ND	ND	ND	ND	ND	ND	ND	trace
1433	BEN	2	10/25/06	10/26/06	8:09	8:17	15	15.12	15.06	1449	A8	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1427	CHA	2	10/25/06	10/26/06	8:33	8:43	15.54	13.85	14.70	1450	A15	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1405	MAR	2	10/25/06	10/26/06	7:43	7:50	15.24	15.09	15.17	1448	A13	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1416	BEN	3	10/26/06	10/27/06	8:23	8:13	15.29	15.31	15.30	1430	A8	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1406	CHA	3	10/26/06	10/27/06	8:48	8:38	15.37	15.54	15.46	1430	A4	9	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1432	MAR	3	10/26/06	10/27/06	7:56	7:46	15.22	15.11	15.17	1430	A13	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1411	BEN	1	10/29/06	10/30/06	8:03	7:55	15.52	15.47	15.50	1432	A6	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1430	CHA	1	10/29/06	10/30/06	8:28	8:18	15.48	13.93	14.71	1430	A4	9	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1451	MAR	1	10/29/06	10/30/06	7:39	7:34	15.81	13.86	14.84	1435	A3	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1409	BEN	2	10/30/06	10/31/06	8:01	7:59	15.11	15.13	15.12	1438	A8	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1436	CHA	2	10/30/06	10/31/06	8:21	8:18	15.23	15.48	15.36	1437	A4	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1424	MAR	2	10/30/06	10/31/06	7:38	7:36	15.07	15.05	15.06	1438	A3	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1439	BEN	3	10/31/06	11/1/06	8:01	8:04	15.28	14.77	15.03	1443	A6	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1445	CHA	3	10/31/06	11/1/06	8:21	8:22	15.23	15.73	15.48	1441	A4	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1435	MAR	3	10/31/06	11/1/06	7:39	7:45	15.04	14.26	14.65	1446	A3	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	trace
1449	BEN	1	11/6/06	11/7/06	8:08	7:58	15.5	14.64	15.07	1430	A6	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1412	CHA	1	11/6/06	11/7/06	8:33	8:23	15.46	13.54	14.50	1430	A4	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1425	MAR	1	11/6/06	11/7/06	7:45	7:35	15.52	14.17	14.85	1430	A13	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1402	BEN	2	11/7/06	11/8/06	8:00	8:00	15.06	15.18	15.12	1440	A6	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1454	CHA	2	11/7/06	11/8/06	8:27	8:24	15.05	15.27	15.16	1437	A1	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1415	MAR	2	11/7/06	11/8/06	7:37	7:37	15.05	14.94	15.00	1440	A13	9	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1460	BEN	3	11/8/06	11/9/06	8:04	8:09	15.14	14.87	15.01	1446	A6	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1448	CHA	3	11/8/06	11/9/06	8:27	8:39	15.22	15.5	15.36	1452	A4	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1407	MAR	3	11/8/06	11/9/06	7:42	7:38	15.25	15.26	15.26	1438	A3	9	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1473	BEN	1	11/13/06	11/14/06	8:04	7:59	15.52	14.02	14.77	1435	A8	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1478	CHA	1	11/13/06	11/14/06	8:28	8:20	15.49	12.92	14.21	1432	A1	10	trace	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1491	MAR	1	11/13/06	11/14/06	7:43	7:37	15.47	14.04	14.76	1434	A13	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1486	BEN	2	11/14/06	11/15/06	8:01	7:54	15.24	16.13	15.69	1433	A6	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1492	CHA	2	11/14/06	11/15/06	8:24	8:22	15.23	15.5	15.37	1438	A1	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1495	MAR	2	11/14/06	11/15/06	7:42	7:32	15.07	15.08	15.08	1430	A13	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1452	BEN	3	11/15/06	11/16/06	8:08	8:01	15.27	15.27	15.27	1433	A8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1464	CHA	3	11/15/06	11/16/06	8:26	8:18	15.08	15.34	15.21	1432	A4	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1494	MAR	3	11/15/06	11/16/06	7:36	7:42	15.17	15.06	15.12	1447	A13	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1490	BEN	1	11/19/06	11/20/06	8:04	8:07	15.57	15	15.29	1443	A6	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1471	CHA	1	11/19/06	11/20/06	8:33	8:26	15.53	14.36	14.95	1433	A4	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1463	MAR	1	11/19/06	11/20/06	7:39	7:42	15.57	14.33	14.95	1443	A13	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1456	BEN	2	11/20/06	11/21/06	8:12	8:04	15.23	15.34	15.29	1432	A8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1479	CHA	2	11/20/06	11/21/06	8:30	8:27	15.06	15.3	15.18	1437	A4	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1475	MAR	2	11/20/06	11/21/06	7:46	7:43	15.1	15.07	15.09	1437	A13	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1461	BEN	3	11/21/06	11/22/06	8:08	7:57	15.03	15.19	15.11	1430	A8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1466	CHA	3	11/21/06	11/22/06	8:29	8:09	15.3	15.35	15.33	1420	A4	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1465	MAR	3	11/21/06	11/22/06	7:45	7:43	15.08	15.02	15.05	1438	A13	10	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1497	BEN	1	11/29/06	11/30/06	8:09	8:11	15.55	14.71	15.13	1443	A6	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1446	CHA	1	11/29/06	11/30/06	8:31	8:33	15.55	12.93	14.24	1442	A4	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1485	MAR	1	11/29/06	11/30/06	7:49	7:46	15.43	14.91	15.17	1438	A13	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1569	BEN	2	11/30/06	12/1/06	8:16	9:59	15.25	15.56	15.41	1544	A8	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1554	CHA	2	11/30/06	12/1/06	8:37	10:23	15.28	15.45	15.37	1545	A4	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1539	MAR	2	11/30/06	12/1/06	7:51	7:31	15.27	15.3	15.29	1432	A3	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1558	BEN	3	12/1/06	12/2/06	9:58	9:54	15.29	15.02	15.16	1432	A8	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1544	CHA	3	12/1/06	12/2/06	10:27	10:17	15.01	14.78	14.90	1430	A1	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1551	MAR	3	12/1/06	12/2/06	7:47	9:40	15	14.67	14.84	1554	A13	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1534	BEN	1	12/5/06	12/6/06	8:05	8:08	15.57	15.44	15.51	1443	A6	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1540	CHA	1	12/5/06	12/6/06	8:27	8:31	15.46	13.23	14.35	1443	A4	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1538	MAR	1	12/5/06	12/6/06	7:45	7:42	15.51	14.84	15.18	1437	A13	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1570	BEN	2	12/6/06	12/7/06	8:12	8:04	15.04	14.99	15.02	1432	A8	11	ND	ND	ND	ND	ND	ND	ND	Trace	ND	ND	ND	ND
1563	CHA	2	12/6/06	12/7/06	8:34	8:24	15.11	15.48	15.30	1430	A1	11	ND	ND	ND	ND	ND	ND	ND	ND	Trace	ND	ND	ND
1574	MAR	2	12/6/06	12/7/06	7:47	7:43	15.08	15.06	15.07	1438	A3	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1548	BEN	3	12/7/06	12/8/06	8:07	7:59	15.04	15.29	15.17	1433	A8	11	ND	ND	ND	ND	ND	ND	ND	ND	Trace	ND	trace	ND
1552	CHA	3	12/7/06	12/8/06	8:21	8:18	15.07	14.99	15.03	1431	A1	11	ND	ND	ND	ND	ND	ND	ND	ND	Trace	ND	trace	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1564	MAR	3	12/7/06	12/8/06	7:46	7:45	15.26	15.22	15.24	1439	A5	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1577	BEN	1	12/12/06	12/13/06	8:02	8:12	15.43	14.58	15.01	1448	A6	11	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1565	CHA	1	12/12/06	12/13/06	8:21	8:37	15.5	13.08	14.29	1456	A4	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1530	MAR	1	12/12/06	12/13/06	7:40	7:42	15.47	14.2	14.84	1443	A5	11	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1536	BEN	2	12/13/06	12/14/06	8:19	8:20	15.04	15.04	15.04	1442	A8	11	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1535	CHA	2	12/13/06	12/14/06	8:41	8:44	15.08	15.18	15.13	1442	A1	11	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1553	MAR	2	12/13/06	12/14/06	7:48	7:52	15.24	15.15	15.20	1444	A5	11	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1531	BEN	3	12/14/06	12/15/06	8:26	8:29	15.37	15.34	15.36	1443	A8	11	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1588	CHA	3	12/14/06	12/15/06	8:52	8:42	15.26	15.11	15.19	1430	A4	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1537	MAR	3	12/14/06	12/15/06	8:00	7:50	15.24	15.24	15.24	1430	A3	11	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1589	BEN	1	12/18/06	12/19/06	7:56	8:18	15.49	15.75	15.62	1463	A6	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1597	CHA	1	12/18/06	12/19/06	8:18	8:42	15.53	13.13	14.33	1464	A4	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1605	MAR	1	12/18/06	12/19/06	7:33	7:55	15.5	14.58	15.04	1462	A5	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1580	BEN	2	12/19/06	12/20/06	8:23	8:18	15.21	15.13	15.17	1435	A8	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1611	CHA	2	12/19/06	12/20/06	8:45		15.25	15.45	15.35	1435*	A4	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1616	MAR	2	12/19/06	12/20/06	7:58	7:50	15.14	15.14	15.14	1438	A3	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1626	BEN	3	12/20/06	12/21/06	8:27	8:16	15.22	15.44	15.33	1430	A8	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1587	CHA	3	12/20/06	12/21/06	8:51	8:41	15.38	14.87	15.13	1430	A1	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1599	MAR	3	12/20/06	12/21/06	7:55	7:47	15.38	15.33	15.36	1432	A3	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1620	BEN	1	12/25/06	12/26/06	8:08	7:58	15.33	14.31	14.82	1430	A6	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1617	CHA	1	12/25/06	12/26/06	8:29	8:19	15.4	12.76	14.08	1430	A4	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1591	MAR	1	12/25/06	12/26/06	7:44	7:39	15.48	13.89	14.69	1435	A11	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1594	BEN	2	12/26/06	12/27/06	8:00	8:06	15.17	15.36	15.27	1447	A8	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1628	CHA	2	12/26/06	12/27/06	8:22	8:29	15.08	15.41	15.25	1447	A1	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample Number	Location Code	Interval Number	Start Date	End Date	Time On	Time Off	Flow On (L/min)	Flow Off (L/min)	Average flow (L/min)	Run Time (min)	Machine ID	Tube bag	Trifluralin	Chlorothalonil	Chlorpyrifos	Propargite	Permethrin	Malathion OA	Simazine	Diazinon OA	Phosmet	Malathion	Chlorpyrifos OA	Diazinon
1595	MAR	2	12/26/06	12/27/06	7:42	7:40	15.12	15.14	15.13	1439	A3	12	ND	ND	trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
1619	BEN	3	12/27/06	12/28/06	8:10	8:05	15.3	15.61	15.46	1435	A6	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1582	CHA	3	12/27/06	12/28/06	8:32	8:24	15.21	15.32	15.27	1431	A4	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1621	MAR	3	12/27/06	12/28/06	7:46	7:46	15.26	15.22	15.24	1440	A11	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Reporting limit was increased to 10 ng/sample																							